(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 21 July 2005 (21.07.2005)

PCT

(10) International Publication Number WO 2005/066700 A1

(51) International Patent Classification7:

G02F 1/133 (74) Agent: YOU ME PATENT AND LAW FIRM: Scolim

(21) International Application Number:

PCT/KR2005/000030

Bldg., 649-10 Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT. AU. AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN. CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI. GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,

PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,

(22) International Filing Date: 6 January 2005 (06.01.2005)

Korean

(26) Publication Language:

English

(30) Priority Data:

(25) Filing Language:

10-2004-0000548 6 January 2004 (06.01.2004)

TR. TT. TZ. UA. UG. US. UZ. VC. VN. YU. ZA. ZM. ZW. (84) Designated States (unless otherwise indicated, for every

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FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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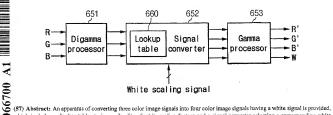
tan 2-dong, Paldal-gu, Suwon-si, Gyeonggi-do 442-372

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD OF CONVERTING IMAGE SIGNAL FOR FOUR COLOR DISPLAY DEVICE



which includes: a lookup table storing a plurality of white scaling factors and a signal converter selecting a corresponding white scaling factor of the white scaling factors stored in the lookup table based on a white scaling signal from an external, converting the three color image signals into the four color image signals based on the selected white scaling factor. Like this, by converting into the four color image signals using the selected white scaling factor based on the white scaling signal from the external, the white scaling factor may be varied without change of a device in which conversion algorithm is stored, thereby manufacturing cost decreases. In addition, without usage of a white scaling factor fixed into a value, the three color image signals are converted into the four color image signals by using a white scaling factor suitable for characteristics of an LCD, thereby the operation accuracy of the LCD is improved.